

FIG.1

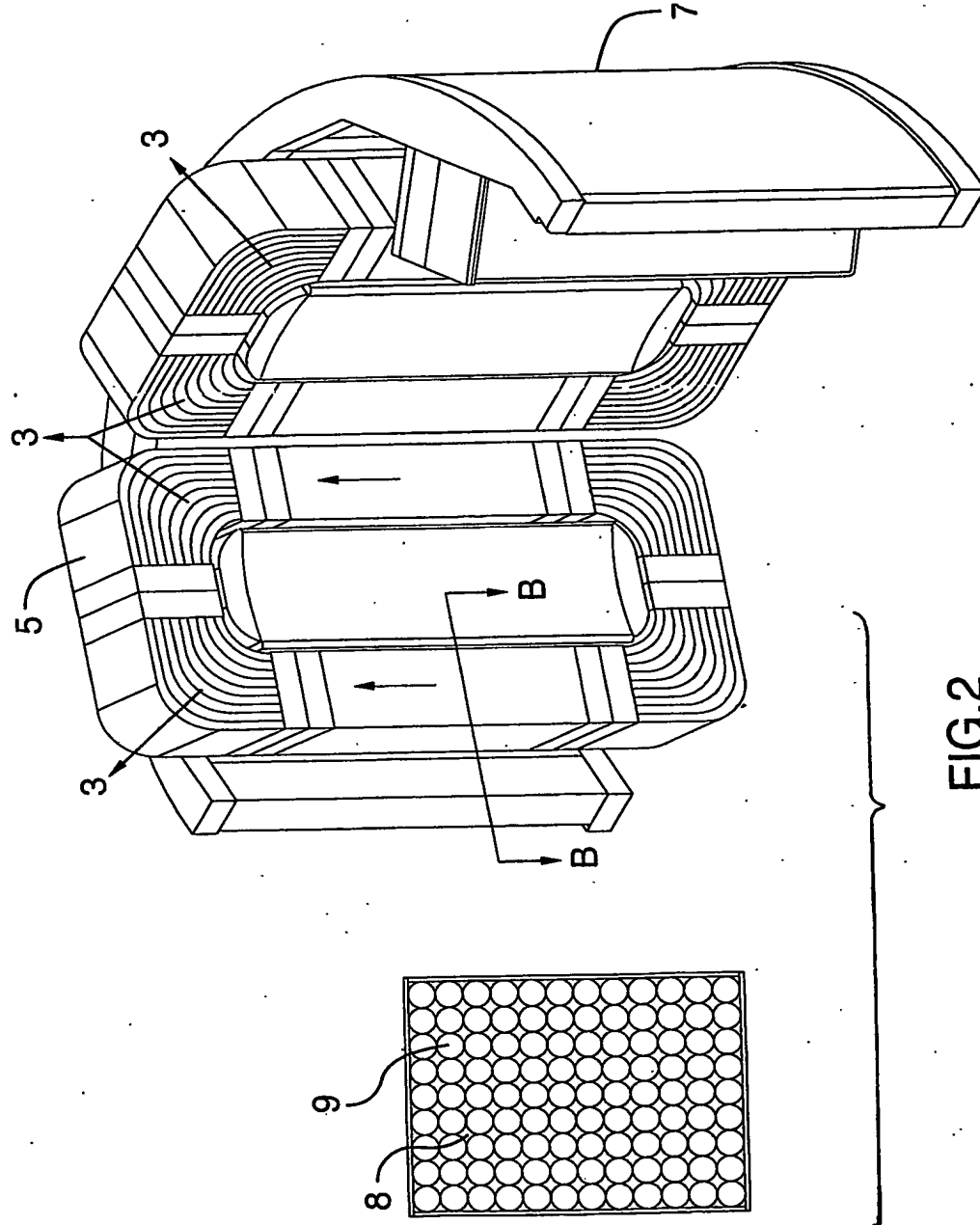


FIG.2

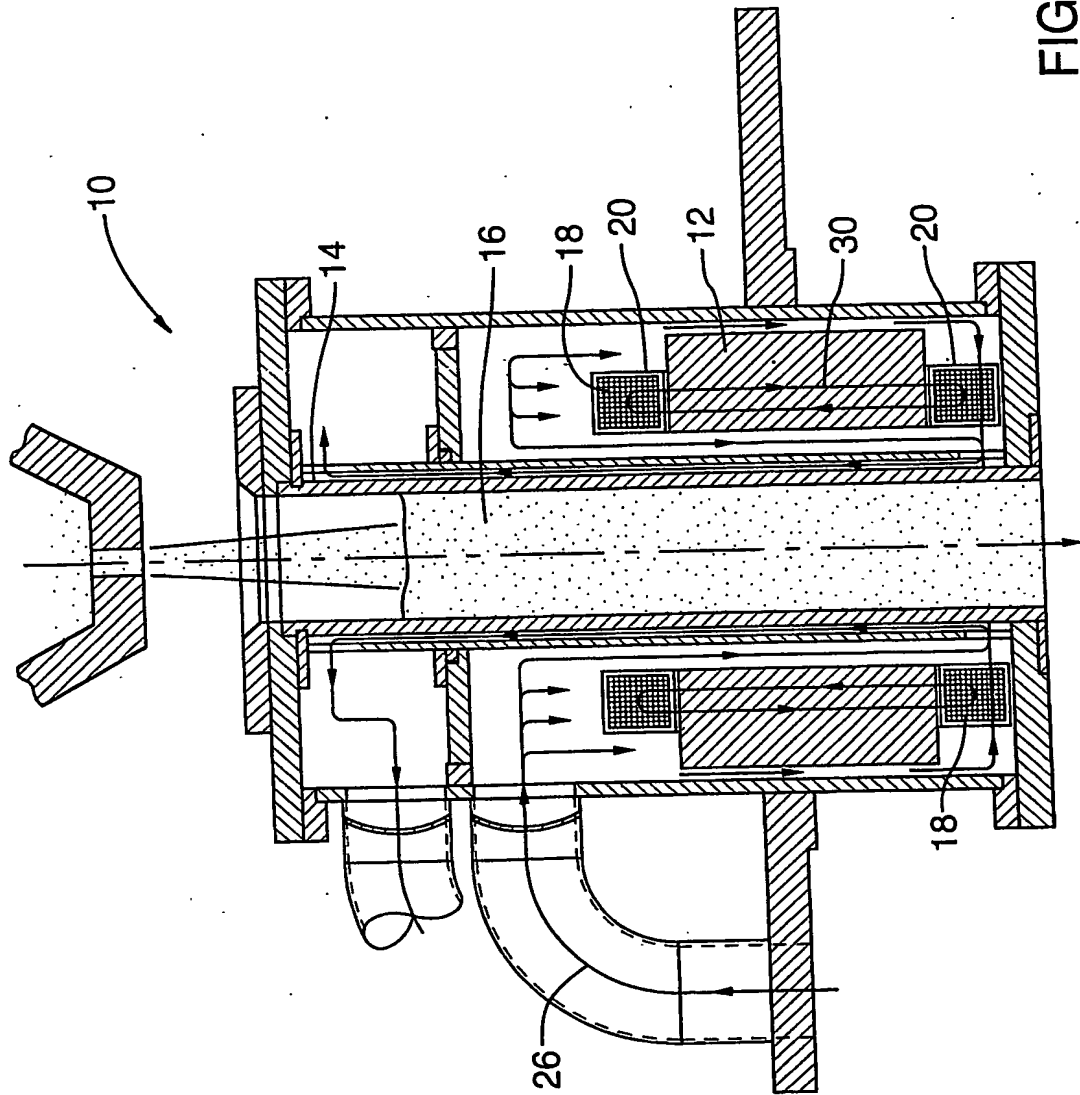
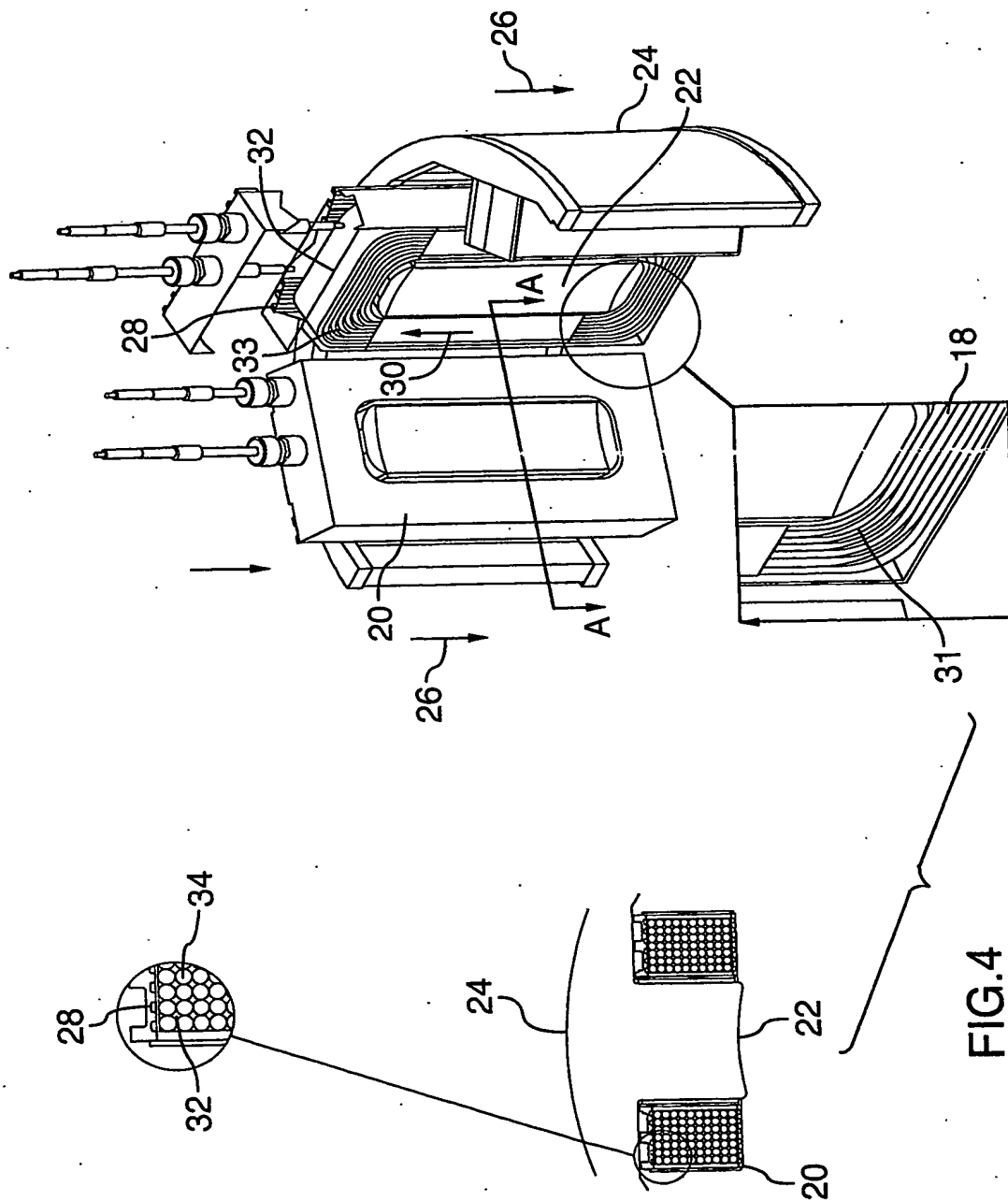


FIG.3



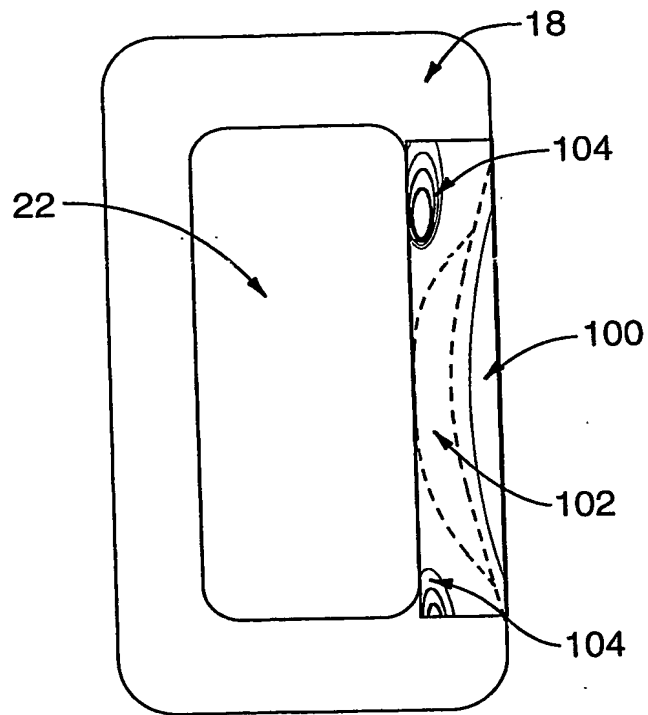


FIG.5

Figure 6

Relationship Between Magnetic and Gravitational Gradients of Pressure,
and Total Pressure Gradient at Varying Current Inputs.

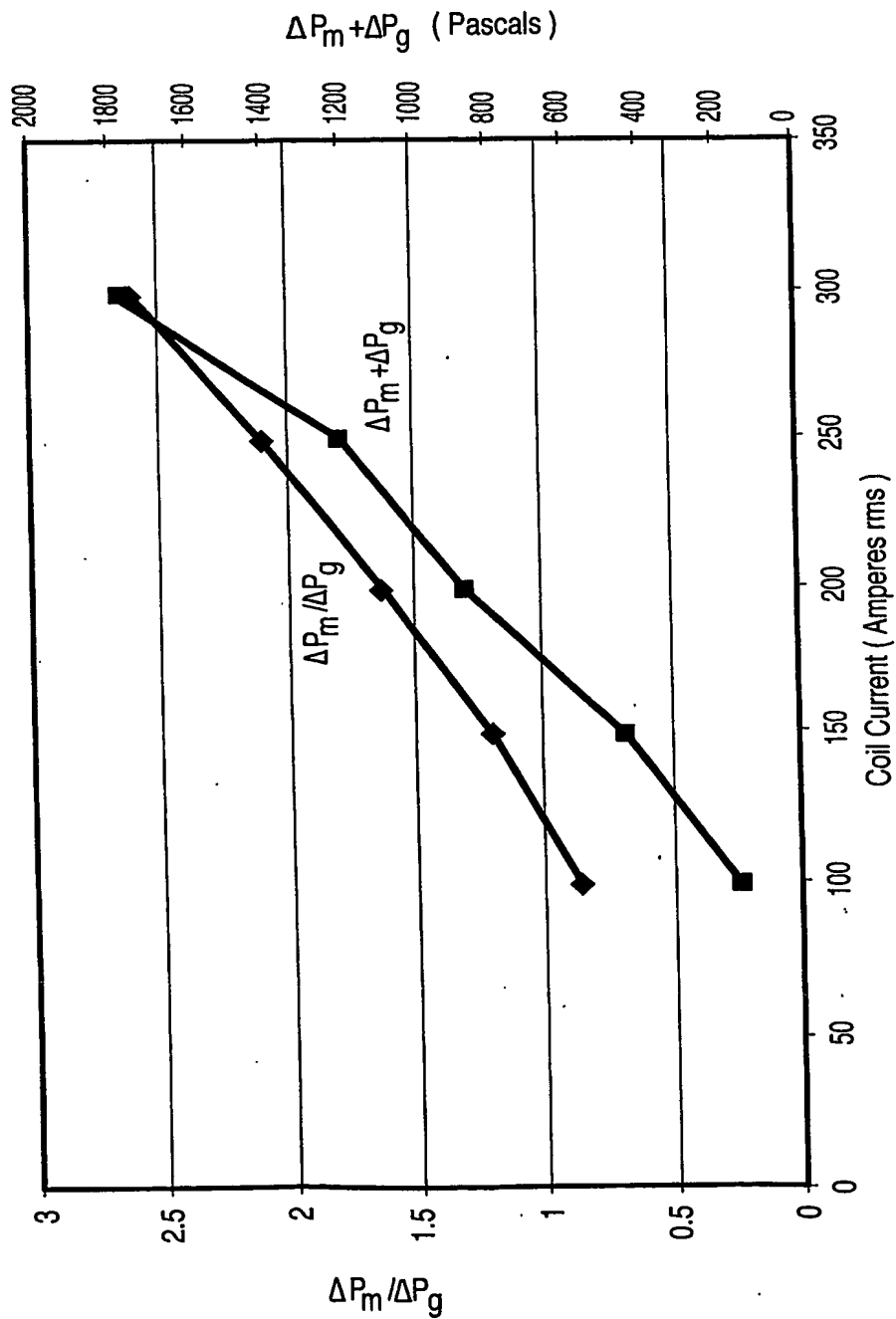
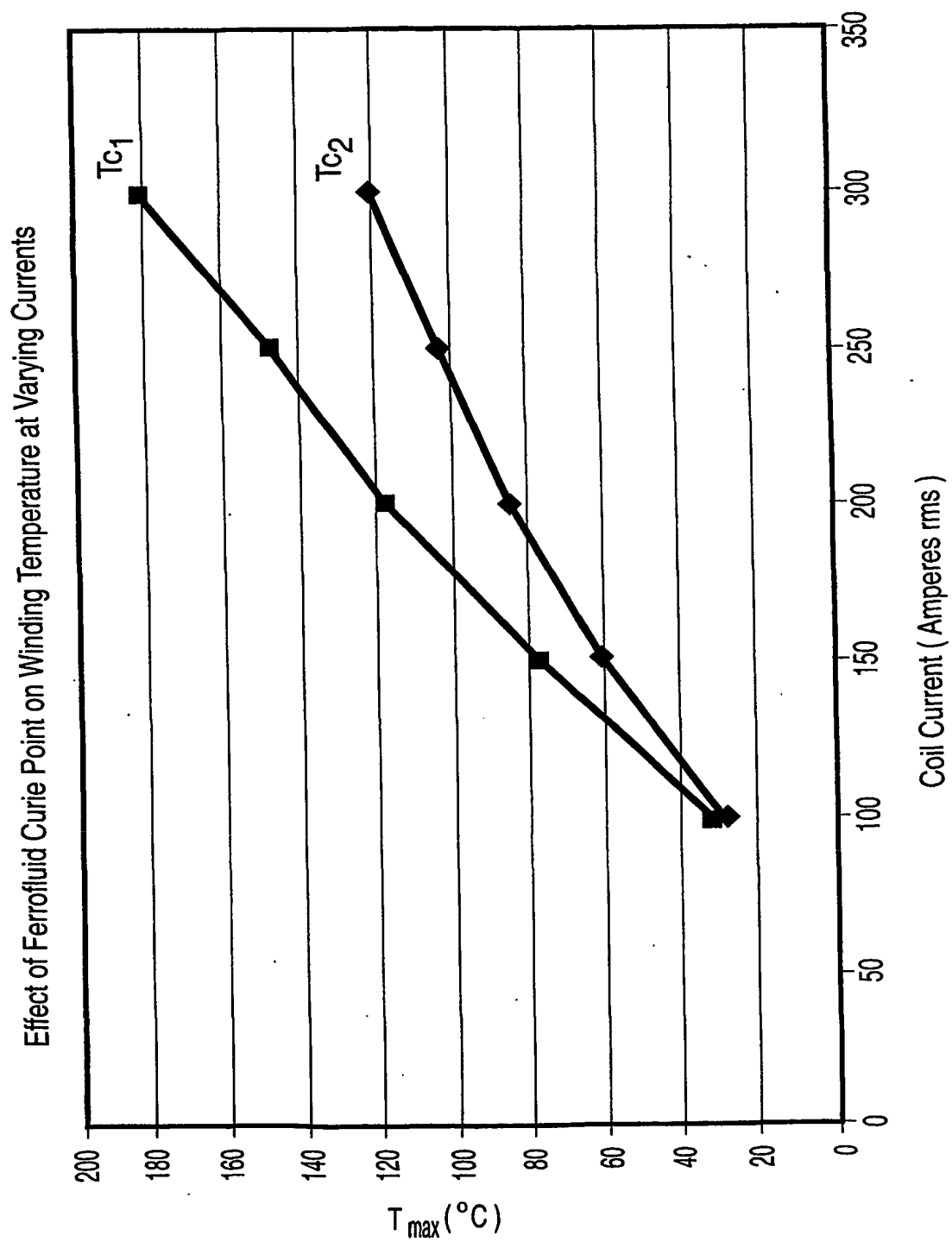


Figure 7



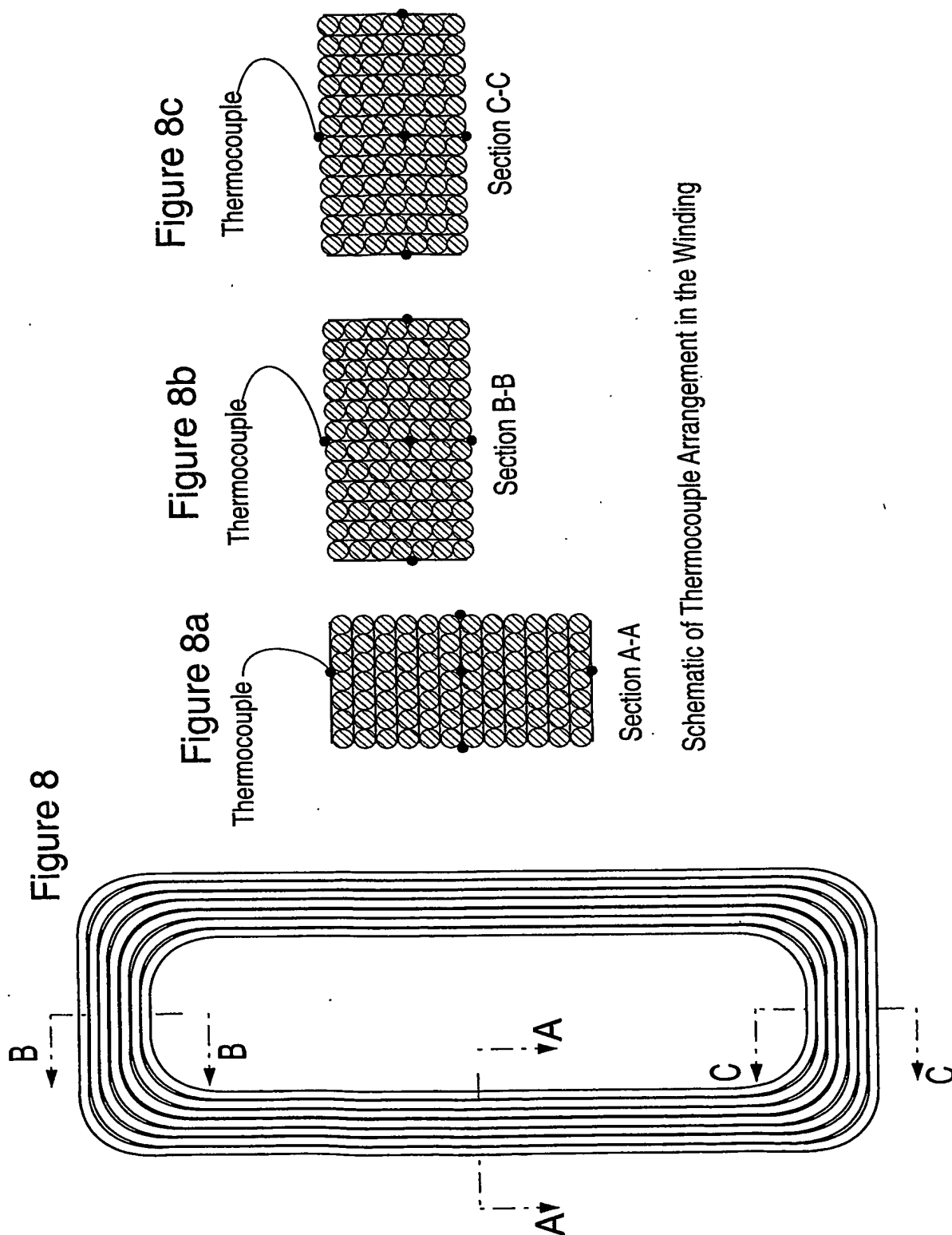


Figure 9

Effect of Ferrofluid Magnetization Saturation on Winding Temperature as per Embodiment No. 1

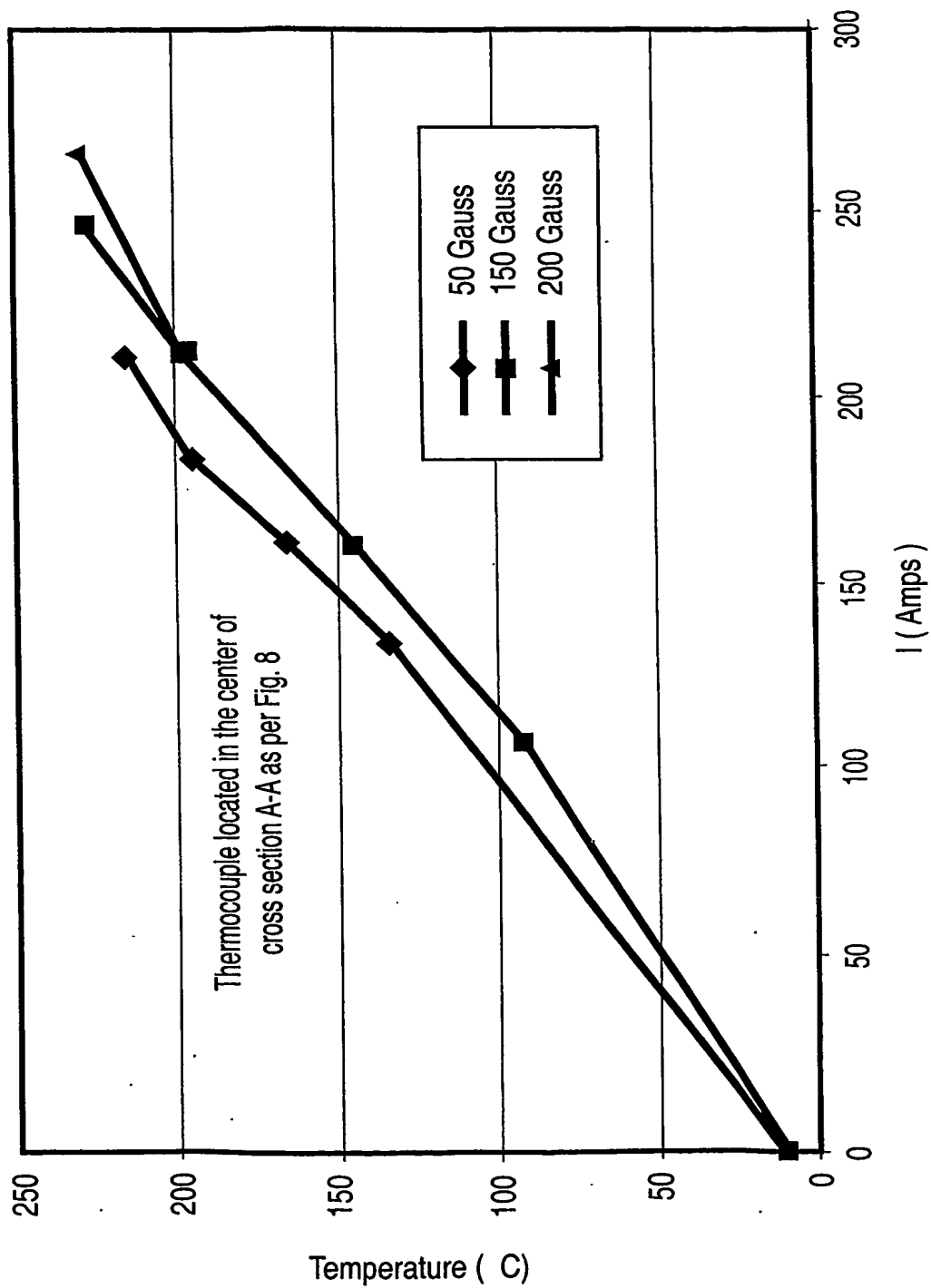


Figure 10

Temperature Profiles in the Winding Under conditions of Embodiment No. 3

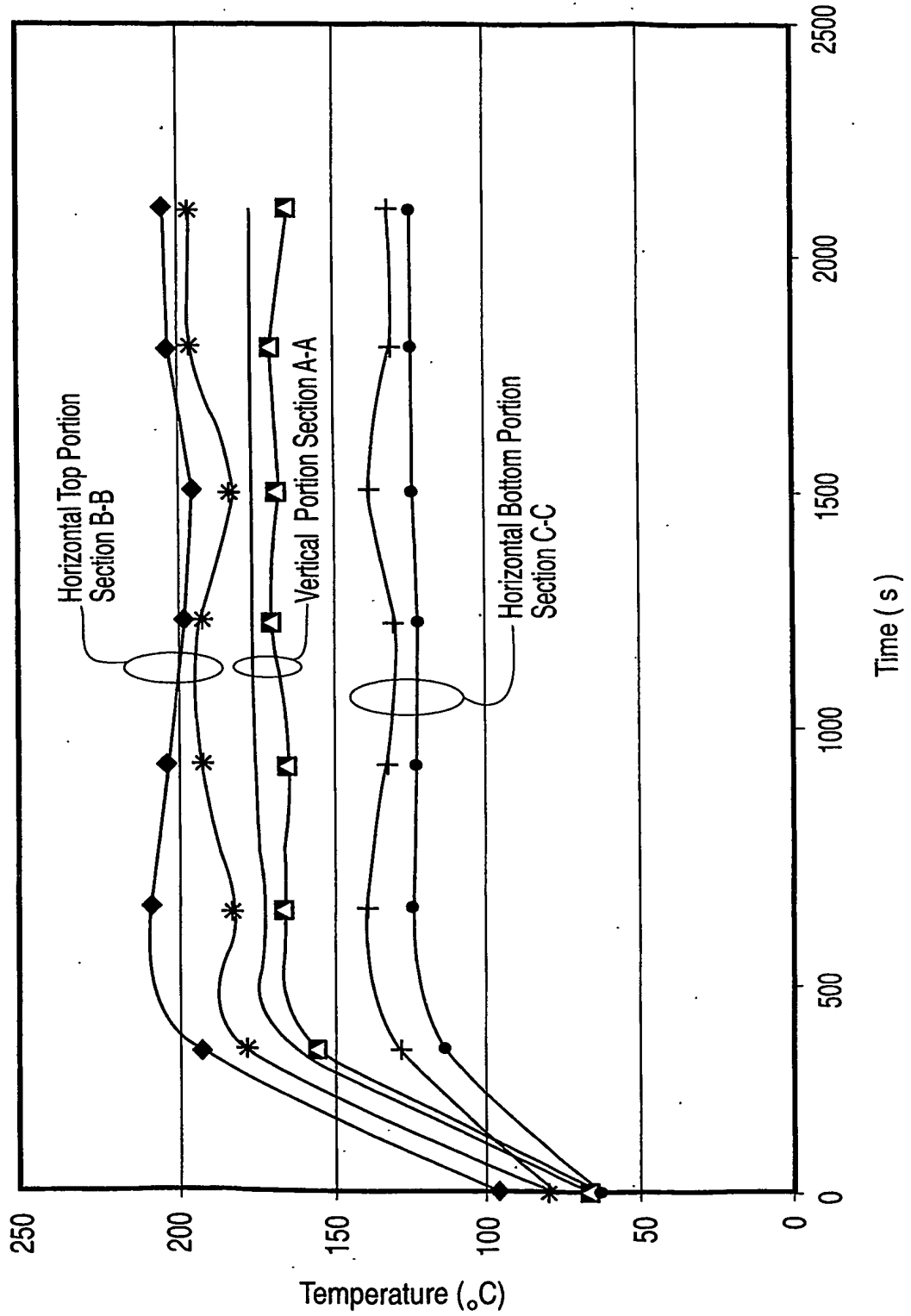


Figure 11

Relationship Between Maximum Temperature in the Winding (Top portion Section C-C)
and Current Under Conditions of Embodiment No. 3

